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(54) INK JET DYEING AND INK JET DYED MATERIAL

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a dyed material whose pattern is clear and sharp, having good fastness by subjecting a polyamide fiber structure to ink jet printing by ink using reaction dye having a monohalogenated triazine group as a coloring component.

SOLUTION: Yellow-based, red-based, purple-based, blue-based or black-based reaction dye having at least one monohalogenated triazine group as a coloring component is compounded with a water-soluble organic

solvent such as ethylene glycol in an amount of 3-60% based on total weight of ink, a buffer solution such as a mixture of acetic acid with sodium acetate and/or an acid generator such as ammonium sulfate to produce ink of yellow, blue, red, black, etc. A woven or knitted fabric or a nonwoven fabric comprising nylon 6, nylon 66 or a copolymer polyamide fiber consisting essentially of nylon 6 or nylon 66 is subjected to pretreatment with a non-reactive type water-soluble polymer such as a modified carboxymethylcellulose and subjected to ink jet dyeing by using the ink.

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